

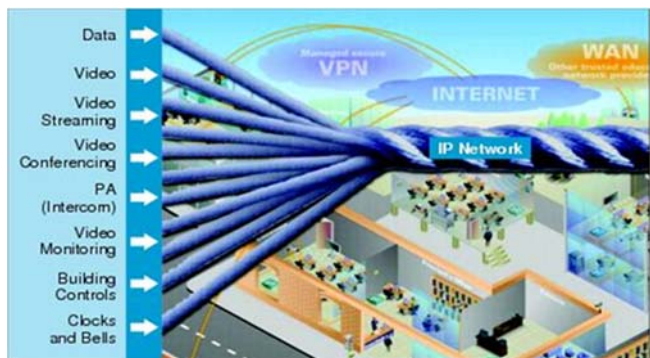
NETWORKING WITH AND WITHOUT WIRES IN THE BIG LEAGUES

GARY SKUSE, KA1NJL—RARA VICE PRESIDENT

Amateur Radio, at its core, is all about networking. On HF and via local repeaters we network with others using our voices. When we operate digital modes on HF we are swapping data wirelessly with the distant station. However, when we use digital modes on VHF or UHF we often use a mixture of wireless and wired networking. IRLP and DStar give us the ability to use low powered transceivers, like your favorite HT, to access a local repeater that then transfers your transmission to the wired Internet so you can talk to someone far away. In this case your analog voice gets converted to digital data that is in turn converted back to analog voice at the other end of the QSO only to have the same process repeated when that distant station talks back to you. This means that you have the following conversions: A/D/A/D/A. If this sounds confusing keep in mind that we are doing this for fun - it's a hobby.

At the next RARA meeting we will hear a presentation from one of the network gurus at

RIT; someone for whom this is not a hobby but rather an essential part of the everyday operations of a mid-sized university. Mark Kimble will talk to us about the challenges of maintaining a campus-wide network that provides services for faculty, staff and students. I cannot imagine what it is like to



provide networking for a couple thousand users each summer only to have to ramp up to accommodate the 14k or so students who return to campus each fall. Can you imagine the resources, physical and human, that are needed to support that feat?

In addition to providing networking infrastructure and services, the IT staff must provide reliable networking (that usually means built in redundancy), security to protect users from the threats within and outside of the network (can you imagine fending off 14k smart, technically savvy and inquisitive students?) and sufficient bandwidth to support the legitimate needs of the RIT community.

Mark is going to give us some insights into the challenges and solutions he and his colleagues employ in order to keep everyone at RIT connected and safe. My own home network is complex with wired and wireless segments, computers and devices, like my TV, connected to it and firewalls to protect me from the outside world. RIT's network is very similar but about a million times more complex.

Please join us for what is certain to be a very interesting talk about networking in the big leagues. The meeting is scheduled for Friday March 6th at 7pm at the usual location, the Henrietta Fire Company #1, located at 3129 East Henrietta Road near Lehigh Station Road.

MARCH 2015
VOLUME 67, ISSUE 7

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PREZ SEZ

FRANK SCHRAMM, WB2PYD—RARA PRESIDENT

Brrrrr... Old man winter has arrived in full force. I hope you got all your antenna work completed while the weather was mild. Please be safe: If the wind or ice damage any of your antennas don't attempt any repairs until you can do it safely. No contest points are worth sustaining bodily injury.

As I mentioned at the last meeting, our resident "Keebler Elf" Tom Austin, KA2GXX, is working hard to overcome some health issues. I'd like everyone to send good thoughts and energies to Tom and his family during this trying time.

Tom: THANK YOU for all these years of service, and keeping the refreshments always present at the monthly meetings. Get well quickly OM!

I would also like to thank Marisa Ashour, KC2VMM, for her time, efforts, and contributions to the Board of Directors. We should all wish Marisa great success as she ventures out into the world of Engineering.

I want to remind everyone that even though we do not discuss "business" at the monthly meetings, every RARA member is welcome at our board meetings. Officers and Directors are also available to answer any inquiries about club business at every meeting; or feel free to contact us by e-mail. It's **your** club, and you have a right to know. BoD meetings are listed in the "Calendar of Events" every month here in the RAG.

What can we do for you? Our primary objective is to Entertain, Educate, and maybe even Enlighten. Do you have any requests for a program or presentation topic? E-mail our Vice President (VicePresident@RochesterHam.org) with your comments and suggestions. Or maybe you have some knowledge you would like to share with us by doing a presentation. Let us know!

Are you involved with a scout troop that might be interested in a Ham Radio presentation? Or are you interested in working with our scouting Crew? Our first Crew event will be a Radio Merit Badge event in June. This event is open to any and all scouts interested in earning their Radio Merit Badge. If you know any scouts with this desire, have them contact our Crew Leaders: Bill, WB2SXY (WB2SXY@ARRL.net), or Steve Fell, K2SRF (K2SRF@rochester.rr.com) for dates and times.

73 and happy DXing,

Frank
WB2PYD

CALENDAR OF EVENTS

MARCH 6TH - RARA General Meeting
7:00 PM at Henrietta Fire Co. #1, 3129 East Henrietta Rd

MARCH 12TH - RARA Board of Directors
5:30 PM RIT Engineering Hall, Room 2110

March 21st - RARA VE Testing
10:00 AM RIT Gleason Hall, Room 9-3139

EXTRA EXTRA READ ALL ABOUT IT!

ROCHESTER AMATEUR RADIO ASSOCIATION

Call Sign Policy

September 2014

Amateur radio club station licenses are granted by the FCC for the purpose of allowing members of an amateur radio club to have a station operating under a club call sign. The license is granted only to the trustee of the club. It conveys no operating privileges.

Club call signs will be used when operating club stations (physical or virtual) or when operating during club sponsored activities unless granted an exemption by the trustee.

The Rochester Amateur Radio Association currently holds these club station licenses:

<u>Club Call Sign</u>	<u>Description</u>	<u>Trustee</u>	<u>Trustee Call sign</u>	<u>Available for</u>
N2EH	Ed Holdsworth Memorial Station	Jim DiTucci	N2IXD	Club Station
K2JD		Jim DiTucci	N2IXD	Contests, Awards, Demonstrations, Talk- In, Special events
W2EOC	Emergency Operations Center	Jim DiTucci	N2IXD	Public Service Events ARES/RACES Drills Actual Incidents

It is the duty of the trustee to act in the best interests of the club; after all, the station license belongs to the club, not to the trustee individually. The club station license trustee must designate control operators to ensure that the station is operated as the club wants it to be. A club station control operator is designated by the club license trustee and must be someone who is trusted and will follow all FCC rules at all times.

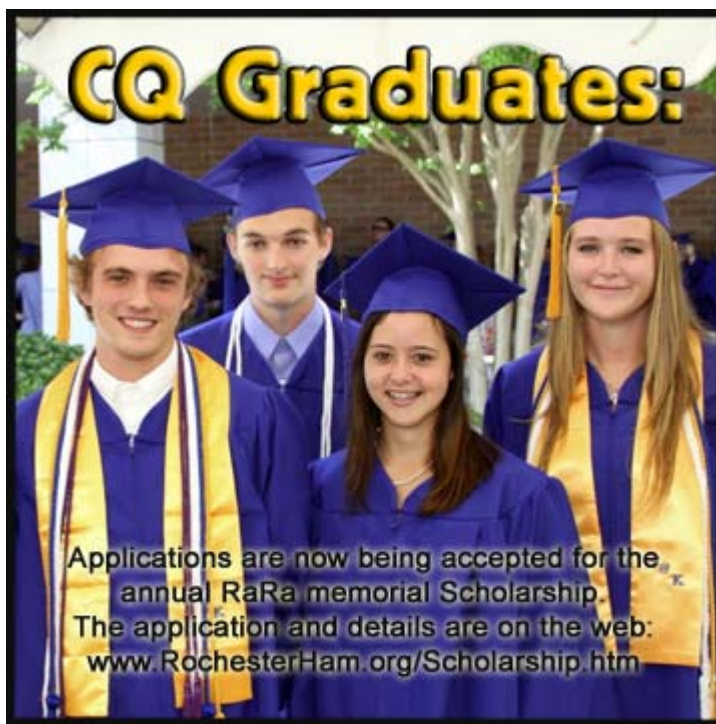
Members in good standing wishing to utilize a club call sign may request permission to use a club call sign by contacting the trustee directly and providing the following information:

- Name of the RARA member requesting use of a club call sign (club station control operator)
- Time period (dates and times) that the club call sign will be used
- Description of the event where the club call sign will be used

Upon approval by the club station trustee, the club call sign can be used for the specified purpose and time period. It is the responsibility of the control operator (the person requesting the use of the call sign) to ensure that all on-air activities are in accordance with all applicable FCC rules and regulations.

ROCHESTER AMATEUR RADIO ASSOCIATION MEMORIAL SCHOLARSHIP

This annual award is given to a licensed Amateur Radio operator pursuing a degree at any accredited post-secondary school. The individual must be a member of RARA and a resident of New York State. The award is for one individual for one year, but the recipient may reapply for subsequent years.



Download a RARA Scholarship Application at www.rochesterham.org.

Please answer all questions on the application completely. If any question is not applicable to your situation, enter N/A in the blank. Feel free to use annotated addendum sheets to explain your responses more fully. This award is based on a combination of need, scholastic achievement, contributions to Amateur Radio, extra-curricular activities and community involvement. All information provided on the application will be held in the strictest confidence. No personal information will be released without the approval of the applicant.

The deadline to submit your application is April 15, 2015, so please do not procrastinate in completing the application and getting it mailed in! The winner of the Rochester Amateur Radio Association Memorial Scholarship will be announced in June, 2015. Good luck to all applicants!

Please submit all applications to:

Rochester Amateur Radio Association
Memorial Scholarship Committee
P.O. Box 93333
Rochester, New York 14692-8333

LICENSE CLASSES START MARCH 10!



The spring session of license classes will start in just a few weeks. Classes will be held at the RIT campus in Henrietta on Tuesday evenings beginning March 10 and run for 10 weeks. Class time is from 6:30 to 8:30 PM. Classes are free to RARA members, however manuals will be needed and can be ordered through me at a discounted cost of \$22.50.

Please contact me to sign up or for more information.

Pam Kasperkoski W2PHK
RARA Education Coordinator
pamelakasper@frontiernet.net

VOLUNTEER OPPORTUNITY REFRESHMENTS COORDINATOR

Here's an easy way for you to help your club and earn service points!

Do you enjoy having a cup of hot coffee and doughnut during the social portion of our monthly meetings? After many, many years of service as our Refreshments Coordinator, Tom Austin, KA2GXX, is in need of break and is stepping down. On behalf of the Officers and Board I want to take this opportunity to thank Tom for his delicious contribution to the club! If you would like to see this tradition continue, then why not think about becoming our next Refreshment Coordinator?

The Refreshments Coordinator helps provide and serve refreshments for our monthly meetings which includes:

- Purchase supplies as needed- cups, napkins, spoons, instant coffee, sugar, creamer
 - Purchase refreshments for the monthly meeting- donuts, cider, bottled water
- Set-up/clean-up refreshments

You will be provided with a large coffee pot for making hot water and you will be reimbursed for refreshment and supply purchases.

We are in need of a Refreshments Coordinator starting with our March meeting so if you want to serve your club and earn service points while doing it, please contact KC2LOC right away.

Ross Mazzola
KC2LOC@arrl.net
Director



LEARNING MORSE CODE

Tim Brown, WB2PAY

At the end of the fall 2014 RARA General Class License course, several hams said they would like to use their newly acquired privileges and learn Morse Code. I offered to host a code study group at my home on Sunday afternoons.

The initial members of the study group are: N2TMS, Todd Spath; KD2GHF, Bob Galory; KD2GHK, Chris Williamson and Brendan Williamson, Chris' 9 y/o son. Brendan plans on taking the Tech Course this spring.

In preparation for the course, I researched various methods for learning code. Many hams begin learning the code as a sequence of dots and dashes. This method requires the individual to mentally convert the code sounds to a virtual dot dash look-up table in their head before writing down the character. This method slows the learning process.

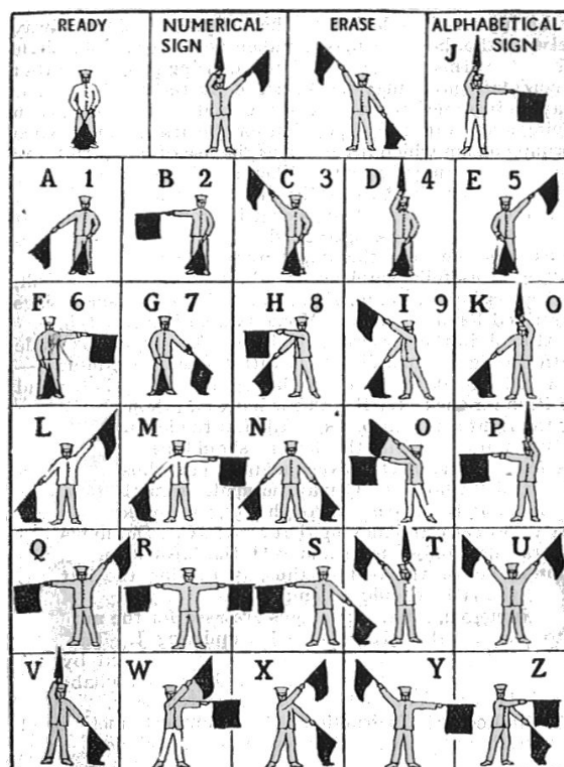
Another method of CW training was developed by a German psychologist Ludwig Koch back in the 1930's. Basically you learn the distinctive rhythm of each character at the optimum speed. Unlike the Farnsworth method which reduces the gap between the letters as you become more efficient, Koch proposed you should start off learning just two letters at full speed and add an additional letter once you reach 90% proficiency. Since you are only learning one new letter or figure at a time, you rapidly progress and master all the letters and characters.

The Koch method does not require you to build a mental lookup table in your brain. You will develop reflexes to recognize the rhythm of the characters.

This is a very individual method of training -- you progress at your own best speed, and spend only the time required to gain each new character. This means that you will waste no time in reaching your goal.

How much time is required? That will depend on the individual. I suggest you practice at least 15 to 20 minutes per day.

The study group sessions help to reinforce what each student has learned through their individual home study. Code Keys, from the Maker Fair, are used by the students to develop the proper sending rhythm for the letters.



Several programs are available that use the Koch method of code practice. The "Just Learn Morse Code" program utilizes the Koch method with a wide variety of features. This is the program the study group uses.

<http://www.justlearnmorsecode.com/>

Feb., 2015 QST, page 97, introduced a smartphone app for learning Morse Code.

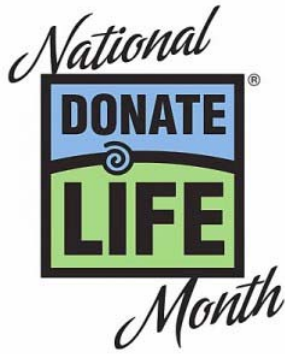
<http://www.codemansystem.com>

Bob Galory, KD2GHF, installed the app on his phone and finds it a very useful application.

If you are interested in learning the code, try the above mentioned software programs. I also urge you to join or form a code study group.

73 dah dah di di dit di di di dah dah

NATIONAL DONATE LIFE MONTH



Each year throughout April, National Donate Life Month promotes the importance of organ, eye and tissue donation.

Introduction

National Donate Life Month was instituted by Donate Life America and its partnering organizations in 2003 with the support of then Secretary of Health and Human Services, Tommy Thompson.

Across the United States, Donate Life Month features local, regional and national activities to help encourage Americans to register as organ, eye and tissue donors and to celebrate those that have saved lives through the gift of donation.

During April, Finger Lakes Donor Recovery Network encourages all of our partners, including hospitals, workplaces, community organizations, houses of worship and colleges to increase awareness about organ donation, and to encourage New Yorkers to enroll as donors.

For more information about National Donate Life Month, [email Amy James](#) or call her at 585-272-4930.

Organ Donation and Transplant Statistics

How many people are waiting for organ transplants? Get the facts...plus the number of donors and organs transplanted in our area.

Organ Transplant Waiting List

Candidates waiting for organ transplants. Data as of January 16, 2015.

	NY State	Strong Memorial	SUNY Upstate	United States
Kidney	8,526	329	189	101,600
Liver	1,249	67	0	15,401
Pancreas	152	4	0	1,118
Kidney/Pancreas	174	10	0	2,022
Heart	381	46	0	3,974
Lung	85	0	0	1,659
Heart/Lung	0	0	0	44
Intestine	9	0	0	247
All Organs	10,323	448	189	123,231

Give the Gift of Life through Organ Donation www.youtube.com/watch?v=UigBNjBLByc

PEAK THE GRID

You Don't Know What You've Got Till It's Gone!

Big Yellow Taxi, Joni Mitchell

The pictures on the following pages are from the books shown. These are all books that were available around 1972. They have copyright dates from 1962 to 1973. An interesting look back in time!

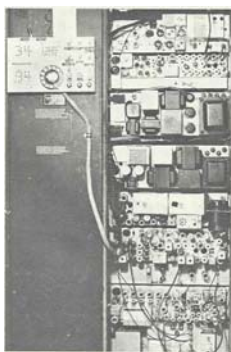
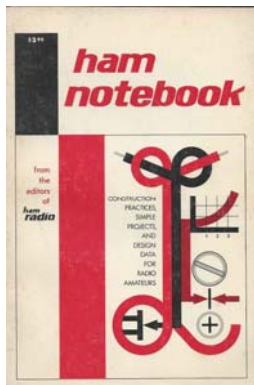
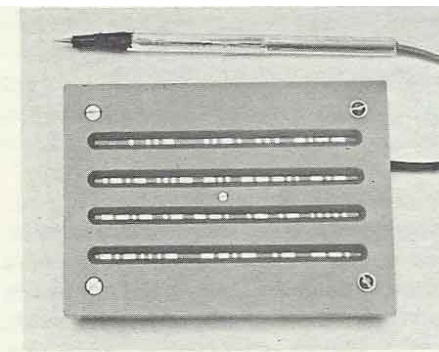


fig. 13. Grass Valley repeater station, Wolf Mountain, California. This repeater covers most of the Sacramento Valley.

2Meter Repeater



The Scratch-1 programmable contest keyer.

Keyer

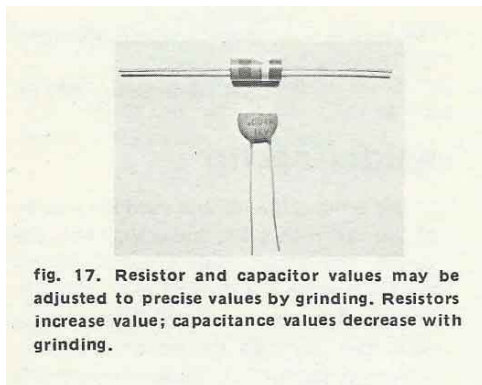
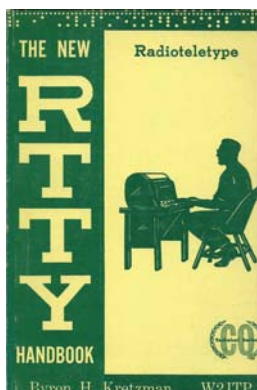


fig. 17. Resistor and capacitor values may be adjusted to precise values by grinding. Resistors increase value; capacitance values decrease with grinding.

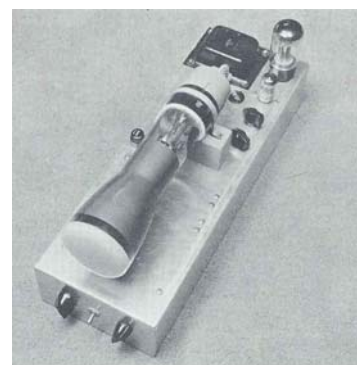
Adjusting Component Value

Keyer - The keyer is operated by wiping the probe in the slots from right to left. The dots and dashes are formed of aluminum tape. "QSL DE" "K2UBC" "5NN WNY" "WNY BK"



RTTY Station of Les Benson, W0ZB, in St. Louis, Missouri.

RTTY Station



The cross-type tuning indicator, with 3-inch CR tube.

RTTY Tuning Indicator

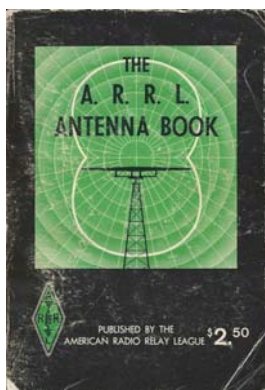
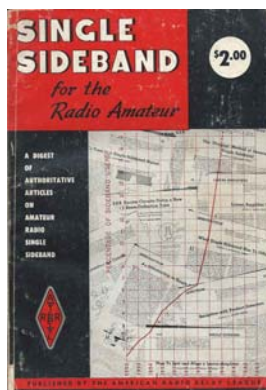


Fig. 15-35—The 50-Mc. halo used by W1MUX is mounted atop a pipe mast, the base of which is bolted to a metal angle plate welded to the rear bumper.

6M Halo



F.C.C. REGULATIONS GOVERNING CALLING AND SIGNING PROCEDURES

§ 12.82. *Transmissions of call signs.* (a)

(1) The operator of an amateur station shall transmit the call sign of the station or stations (or may transmit the generally accepted identification of the network) being called or communicated with, or shall identify appropriately any other purpose of a transmission, followed by the authorized call sign of the station transmitting:

(i) at the beginning and end of each single transmission or;

(ii) at the beginning and end of a series of transmissions between stations having established communications, each transmission of which is of less than three minutes' duration (the identification at the end of such a series may be omitted when the duration of the entire series is less than three minutes), and;

(iii) at least once every ten minutes or as soon thereafter as possible during a series of transmissions between stations having established communications, and;

(iv) at least once every ten minutes during any single transmission of more than ten minutes' duration.

(2) The required identification shall be transmitted on the frequency or frequencies being employed at the time. . . .

(b) . . . When telephony is used, the call sign of the station shall be preceded by the words "this is" or the word "from."

(d) When using telephony, phonetic aids to identify the call sign of the station may be employed.

S.S.B. QSLs

Since many s.s.b. stations are working for awards like WAS and WAC, don't forget to mention on *your* QSL that the contact was *two-way s.s.b.* if it was. You may help the other fellow get that award he has been scrambling for.

RADIO JOVE

Martin Pepe, MjpAstro@aol.com

Most people think they have to have a 50 foot dish in the backyard to do any Radio Astronomy. ***It just ain't so!!*** Besides getting on your wife's short list for casting a large dark shadow over her petunias, with the way things are these days, you might even get a visit or two from 'Uncle 'Sam' ;-).

Everyone has seen colorful visual pictures from Hubble of deep space Galaxies. But many don't realize that deep sky objects have strong RF emissions, as well. Even some objects in our own Solar System give off radio waves in various frequency bands. The Sun and Jupiter are two of those objects in particular.

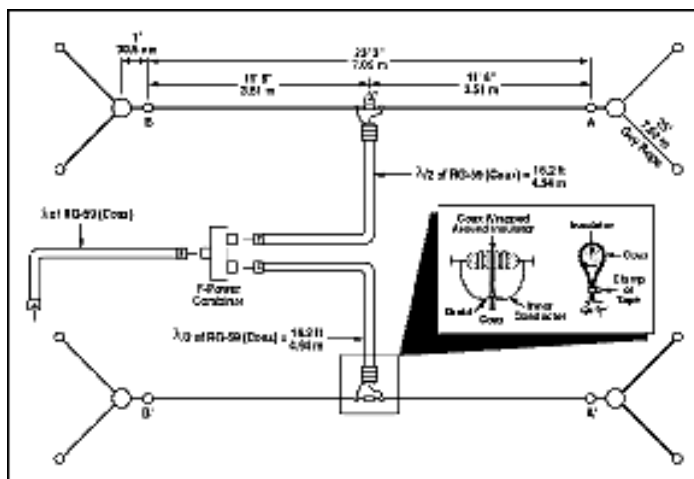
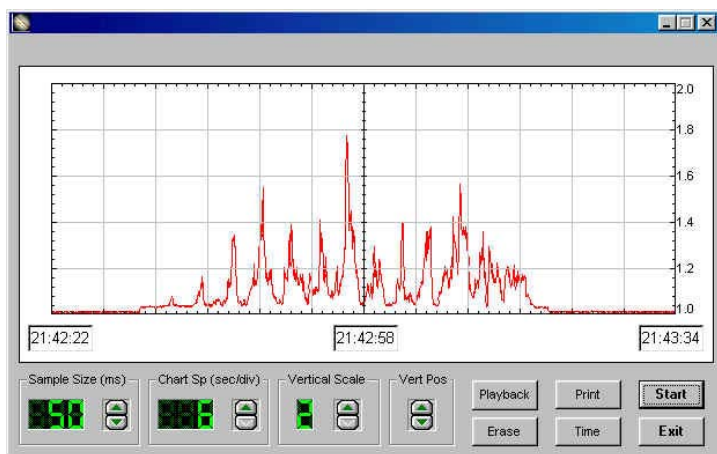
You may have seen articles in past RaRa newsletters about the ongoing Solar RT project which is a Solar RF Spectrograph to study sunspots, presently being built for the ASRAS astronomy club (site in Ionia). It covers 50 - 890 MHz. This is a senior design project at RIT (*pix #1*) and it is progressing nicely (*look for future articles on its continued progress*).

Another stout RF emitter is the planet Jupiter (*see NASA Radio Jove, below*). The radio noise storms of interest can be heard from about 15 MHz up to a practical limit of about 38 MHz. The consensus seems to be that 18 MHz up to about 28 MHz is a good place to listen. Many 'hams' have inadvertently heard this and assumed it was just background noise & hiss (*see audio file link below*).

The very conditions that cause the ionosphere to get charged and yield a good DX bounce at times, are ones that 'shield' us from hearing these signals. When the DXing is good, the Jupiter signals are rather weak, since they can't penetrate the same strong ionospheric 'shell' that's surrounds the Earth. Conversely, when the DXing is bad the Radio Jove signals can be good. They can actually complement regular Ham Radio operation.

The RF generator of these signals is an interaction of some of Jupiter's Moons (*typically IO*), and the planet's strong magnetic fields. These signals can be directional and don't always point at the Earth.

A simple direct conversion AM receiver and external antenna for the above band(s) can be used to monitor these signals (*right & lower*), and the audio output can even be sent to a laptop to form a strip chart recording (*below left*). For further reading check out some of the following links:



Jupiter 'Breathing' audio file - <http://www.astrosurf.com/luxorion/Documents/jupiter-breathing-25mhz-altair.wav>

Radio Jupiter Central - <http://www.radiosky.com/rjcentral.html>

NASA Radio Jove - <http://radiojove.gsfc.nasa.gov/library/newsletters/toc.htm>

SARA Radio Jupiter - <http://www.radio-astronomy.org/pdf/gex/radio-jove-proof.pdf>

VE TEAM

We had 10 successful candidates in January including one brand new ham who passed all 3 elements attaining his Extra license and one who upgraded to Extra. We have 2 upgrades to General and 6 new Technicians.

Our next session will be on March 21st.

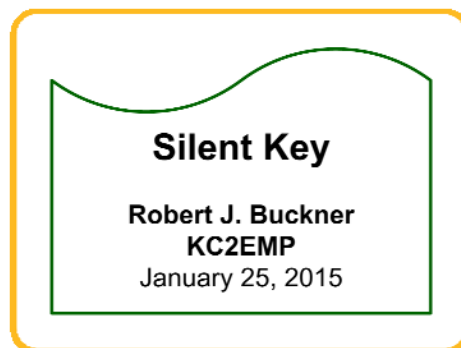
Please note that effective February 17, 2015 the FCC will no longer be automatically mailing new/upgraded license forms. For new candidates: Please go to the FCC ULS database (<http://www.fcc.gov/uls>) and select Register to first obtain your FRN (bring this # with you). Once you have your FRN, set the 'Paper Authorization Preference'. This must be done before we upload your exam results.

For those currently licensed: Login to the ULS (<http://www.fcc.gov/uls>) and select login. Once logged in, on the left column select 'Paper Authorization Preferences' to insure receipt of a hard copy license. This must be done before we upload your exam results.

If you have any questions please contact Ken Hall ken@w2krh.com.

Michael Bezer	KD2EHO	G	Karl Eurenus	KD2HWK	T
Evan Brown	KD2HWI	T	Nestor Irizarry	AC2PP	E
John Cashimere	KD2HTQ	E	Robert Harshbarger	N5XRB	G
Christopher Cianflone	KD2HWJ	T	Thomas Mullaney	KD2HWL	T
John Derycke Jr	KD2HWN	T	David Wagner	KD2HWM	T

New licensees names are in BOLD



RARA RAGS OF THE PAST

Ed Gable, K2MP – RARA Club Historian

20 YEARS AGO, MARCH, 1995

A good friend of RARA and members of the ARRL Atlantic Division was the guest speaker twenty years ago. Bill Thompson, W2MTA, our Section Manager, was invited to speak on the League's Field Organization, but knowing Bill, he would just start talking on what ever he felt was right. And so he did. From our testing crew, George, AA2FO (sk), wrote to tell that we have seven new amateurs in our ranks. It was further announced that those passing an amateur test could now, after 24 hours, call the FCC's 800 number and get their call sign. Vic Gauvin, K1JUL, penned a long article describing RARA Club station K2JD, and the recently completed club entry into the CW World-Wide SSB DX Contest. Then, just weeks later, K2JD did it again for the CW weekend. Operators were: K1JUL, WA2LCC, KE4LAV, AA2FO and N2TYR. RARA and the Monroe County OEP jointly participated in the 7th Annual State-Wide Hazardous Weather Exercise. Phone and Packet communications were maintained with Albany and Buffalo. Participating were Ed N2EH (sk), Stan K2SSB, Irv AF2K, Don KB2BU (sk), Chet WB2MDO (sk) and Stan KA2U. With regret it was reported that Charles Stoffel WA2JTT and Robert Whitbourne WB2RCA, were reported as Silent Keys. From the Want Ads you could buy a Baycom modem from Mike, KF2LF. Snyder (Sherwood Snyder W2KFU (sk) and Snyder, Attorneys at Law, remained a long term advertiser.

40 YEARS AGO, MARCH, 1975

Vice President and Program Chairman Bill March, WA2CER, organized an interesting moderated discussion on the controversial and hotly contended FCC Restructuring Docket 20282. This proposed rule making promised to change everything we were used to in the way of license structure, frequency allocations, operating modes, power limits and examination structure. The purpose of the meeting was to examine pros and cons of the rule making proposal and then have informed amateurs formulate responses to the proposal. In another break-thru in FCC actions, RARA's hard working Licensing coordinator, John Schooley W2BLU (sk), announced that he made arrangements to have FCC examining personnel at the 1975 Rochester Hamfest. In response to that unheard of action by the FCC, RARA immediately started a one time only fast tracked General licensing course. Stepping forward was Ray Roberts WA2SSU (sk) who offered his tire store facility to hold the course. This issue also had advanced information on the May 31, 1975, Rochester Hamfest. The venue was the Monroe County Fair Grounds and the Hamfest headquarters the Marriott Inn on Rte 15, where you could buy your four dollar admission ticket. From the Want Ads you could buy a Heath SB-300/400 combination from Chuck Brelsford (sk) K2WW. Jerry Barlow, K2EUR, was a new commercial advertiser offering personalized flight instruction.



the RARA RAG

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VOL. 47 MARCH 1995 NO. 7

ARRL SECTION MANAGER TO SPEAK AT MARCH MEETING

Our own ARRL Section Manager Bill Thompson, W2MTA, will address RaRa at the next meeting on March 3rd. While he was specifically invited to speak on the League's Field Organization, there are so many aspects to the League that we can expect almost anything to come up. I know from experience that it can be hard to get a few moments with League officials at the local hamfests, so here is an ideal opportunity to catch Bill up close and in person. Bill says that he hasn't addressed RaRa for a few years and is looking forward it.

Our February meeting was a resounding success despite the threatening weather forecast; we credit Bob O'Neil, KA2NBK and his more than able assistant Warren Boudrie, AA2LQ for the "most

RaRa MEETING

March 3rd, 1995
8:00 P.M.
Henrietta Fire Hall
3129 East Henrietta Road
ARRL Representative

LICENSE EXAM TESTING,

by Barbara AA2CX
George AA2FO

CONGRATULATIONS - To seven members of the amateur radio community who either got their

The RARA RAG

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INCORPORATED

VOL. 27 MARCH 1975 NO. 7

The March Program - - Amateur Restructuring - Pros & Cons

by Bill March, WA2CER

Our March meeting will be on Friday, March 7th, 1975. March 7th is midway between last December 4th and June 16th, 1975. If you have been following recent events, you will recognize these dates as the filing date and due date for comments on FCC Docket 20282, a Notice of Proposed Rulemaking for restructuring of the Amateur Service. The final Report and Order resulting from Docket 20282 promises to have a profound effect on the future of amateur radio.

For this reason, the program will be a moderated discussion of Docket 20282 by topics and its effects on amateur radio. The prime purpose of the program will be to objectively describe the pros and cons of the proposal. Once this is accomplished, it will be easier to formulate specific replies to the FCC and support any disagreement with reasonable arguments.

Because of the Docket's complexity, the time

Going For General?

by Bob Louzon, WB2NSD

As you probably know, the FCC will administer General Class examinations at the 1975 WNY Hamfest.

RaRa Directors have decided to hold a class for anyone interested in trying for a General Class License at the Hamfest.

The class will start in the near future on a day and date to be announced. Members of the class will decide at the first meeting how many times a week the class will be held.

Ray Roberts has generously offered the use of his showroom at TireWorld of Greece, 2318 Ridge Road West. As the last class was held at CD Headquarters to the south of the city this will make it more convenient for those who live to the north but all are invited.

The class will run for two hours each night it is held, starting at 7:30 p.m. The first hour will concentrate on CW with a goal of 15 WPM by the time the class is over. The second hour

RARA CALENDAR

Tim Barrett, K9VB

~ March 2015 ~						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 NC QSO Party ARS Spartan Sprint	2	3 QRP Fox Hunt	4 AWA J Rollins DX Contest ROC City Net 8pm 3.826 MHz	5 AWA J Rollins DX Contest QRP Fox Hunt	6 RARA Club Meeting 7:00pm	7 AWA J Rollins DX Contest ARRL International DX Contest DARC 10M Digital Contest
8 AWA J Rollins DX Contest ARRL International DX Contest DARC 10M Digital Contest	9	10 QRP Fox Hunt	11 ROC City Net 8pm 3.826 MHz SIARC 7.30pm	12 QRP Fox Hunt RARA BoD Mtg 5.30pm XRX 6:00pm	13	14 Pi Day F9AA Cup, SSB ID QSO Party WI QSO Party NA RTTY Sprint EA PSK63 Sprint
15 F9AA Cup, SSB ID QSO Party WI QSO Party EA PSK63 Sprint	16	17 QRP Fox Hunt RDXA 7.30pm	18 ROC City Net 8pm 3.826 MHz Drumlins ARC 7.30pm	19 QRP Fox Hunt NAQCC CW Sprint	20 RRRA Auction 7.30pm	21 VE Testing 10:00AM BARTG HF RTTY Russian DX Contest Feld Hell Sprint
22 BARTG HF RTTY Russian DX Contest	23	24 QRP Fox Hunt	25 ROC City Net 8pm 3.826 MHz	26 QRP Fox Hunt 7pm ARES Meeting	27	28 CQ WW WPX SSB Contest
29 CQ WW WPX SSB Contest	30	31 QRP Fox Hunt				

Print this calendar and leave it by your radio.

NEWS FROM AREA CLUBS

MONROE COUNTY ARES / RACES NEWS

The Monroe County Amateur Radio Emergency Service, Inc. holds its meetings on the fourth Thursday of each month. Anyone interested, members and non-members, are welcome to attend. The next ARES Meeting will be held on: **Thursday, March 26, 2015, at 7:00pm.**

Meetings are held at the **Greater Rochester Chapter of the American Red Cross HQ, 50 Prince Street, Rochester, NY 14607.** (Located behind the Rochester Auditorium Theatre, 885 Main St. E.)

ARES NET: Monroe County ARES/RACES meets on the air every Thursday of the month at 8:00 pm, on the 146.61 MHz (-) 110.9 Hz PL repeater. The only exception to that are nights when we hold our regular meeting, generally on the 4th Thursday of the month.

WEB: www.monroecountiemcomm.org

NBEMS: Want to learn about Narrow Band Emergency Messaging System (NBEMS)? It's the latest and easiest way to "Go Digital!" Bring your laptop computer and 2-M handheld transceiver. We will conduct an NBEMS clinic after every meeting through June 2015.



ROCHESTER RADIO REPEATER ASSOCIATION, RRRA

The Rochester Radio Repeater Association, RRRA invites you to attend its March 20th 2015 meeting. Meetings are held on the 3rd Friday of the month in the Pittsford Town Hall Basement starting at 7:30 pm.

March is RRRA's annual auction. Doors open at 7pm for seller setup and viewing. Following a short greeting by the RRRA officers we will start the auction at 7:30pm. Ed Gable and Dick Goslee have agreed to be our auctioneers. This year we will again open the auction to both members and non members. The usual 10% commission by the seller applies. The RRRA Treasurer will collect the sale commission which helps support RRRA. RRRA will also accept donations to the club. If you are not currently a member and want to support RRRA, you can join at the auction or join via PayPal on our web site, K2RRRA.org.

The RRRA officers are Bob Shewell, N2HJD President, Rob Bruno, KD2GCG Vice President, ED Wilkonski, KC2WM Secretary, and Joel Rossbach, N2EZV Treasurer.

SQUAW ISLAND AMATEUR RADIO CLUB, SIARC

The Squaw Island Amateur Radio Club (SIARC) meets every second Wednesday of the month at 7:00pm at the Ontario County Safety Training Facility, 2914 County Road 48, Town of Hopewell. We have License Exam Testing every other month which begins at 6:30pm. There will not be testing at the March meeting. The regular meeting will begin at 7:00pm.

DRUMLINS AMATEUR RADIO CLUB

Our meetings are held the third Wednesday of each month. Doors open at 7:00pm, meeting starts at 7:30pm at the Wayne County EOC, 7376 Route 31, Lyons. VE sessions held before the meeting on even months. Talk-in before meeting on 146.685-.

ROCHESTER VHF GROUP

The Rochester VHF Group holds monthly meetings on the second Friday of the month between September and June. Meetings begin at 7:30 PM and are held at the Spencerport Wesleyan Church, 2653 Nichols St. (NY Route 31) in Spencerport. Visit our website www.rvhfg.org for details.

The Rochester VHF Group sponsors an informal On-Air Net every Monday at 2100 local time on 144.260 MHz USB and a 6 Meter Net every Thursday at 2100 local on 50.200 MHz USB.

More club information can be found by visiting www.rvhfg.org or just calling in any Monday or Thursday night. All are welcome to check in to these nets.

ROCHESTER DX ASSOCIATION, RDXA

A fresh approach to stealth antennas

Find the two Mosley TA-33 tri-banders, a mini-32A, 160 dipole, and Delta receive loop, in the photo below:



SEE the entire antenna “farm” and LEARN how it was done at the **RDXA March meeting!**

RDXA meets on the third Tuesday of each month at 7:30 pm at the Monroe County Public Safety Training Facility, 1190 Scottsville Rd.

XRX AMATEUR RADIO CLUB

The XRX Amateur Radio Club's next meeting will be March 12th, 6PM at the Webster Recreation Center. Besides the usual agenda, Jon Dickason, N2JAC, will be discussing ARES. We are also still eagerly awaiting our Yaesu System Fusion Repeater which was back-ordered. As usual, keep up-to-date on our website <http://xarc.us>

Is There A Hamfest In Your Future?

Winter Hamfest, February 28th at the Big Flats American Legion

<http://www.ka2lim.com/index.html>

Drumlins Hamfest, April 18th, Palmyra VFW

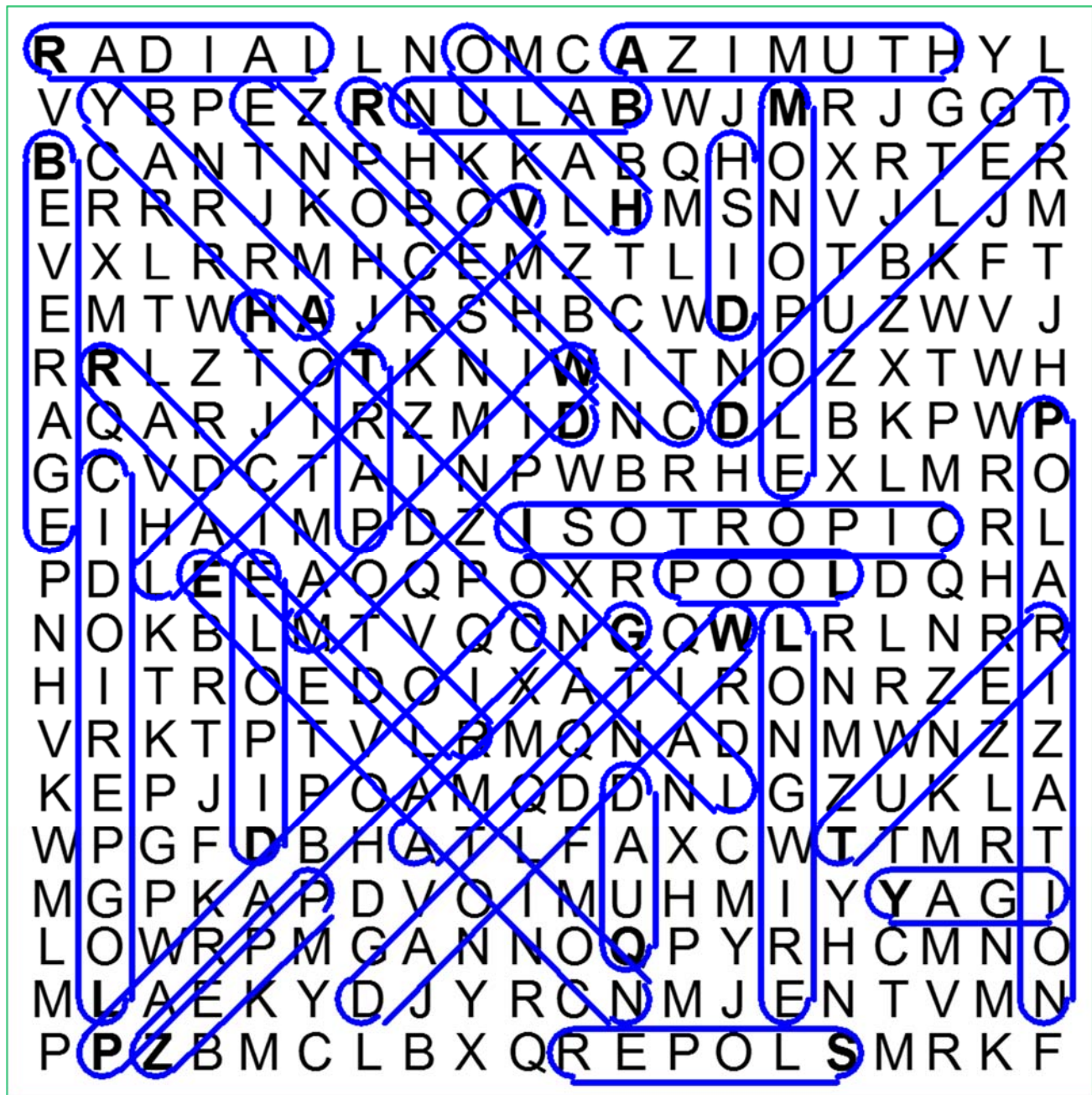
Dayton Hamvention, May 15 - 17, Hara Arena

<http://hamvention.org/>

Rochester Hamfest, June 6, Barnard Fireman's Carnival Grounds

Elmira Hamfest, September 26th

Antenna Vocabulary? Answers



ARRAY	ELEVATION	MONOPOLE	TRAP
AZIMUTH	GAMMA	PARABOLIC	TUNER
BALUN	HALO	POLARIZATION	VERTICAL
BEVERAGE	HORIZONTAL	QUAD	WINDLOAD
DIPOLE	ISOTROPIC	RADIAL	WINDOM
DISCONE	LOGPERIODIC	RADIATOR	YAGI
DISH	LONGWIRE	RHOMBIC	ZEPP
DOUBLET	LOOP	SLOPER	

THE AMATEUR'S CODE

Originally written by Paul M. Segal, W9EEA (1928)

THE RADIO AMATEUR IS:

CONSIDERATE	Never knowingly operating in such a way as to lessen the pleasure of others.
LOYAL	Offering loyalty, encouragement and support to other amateurs, local club, and the American Radio Relay League, through which Amateur Radio in the United States is represented nationally and internationally.
PROGRESSIVE	With knowledge abreast of science, a well built and efficient station and operation beyond reproach.
FRIENDLY	With slow and patient operation when requested, friendly advice and counsel to the beginner, kindly assistance, co-operation and consideration for the interests of others. These are the hallmarks of the amateur spirit.
BALANCED	Radio is an avocation, never interfering with duties owed to family, job, school or community.
PATRIOTIC	With station and skill always ready for service to country and community.

VISIT THE RARA WEBSITE!

Did you know that your club's website (www.rochesterham.org) offers these features and more?

- Photos of meetings & events (you might be in there!)
- Info on upcoming meetings/programs
- Rochester Hamfest information!
- Online membership & renewal
- Track and redeem your Reward Points
- Public service info & sign-up
- VE testing info
- Back issues of the *Rag* in PDF
- Officer contact
- List of past presidents
- Online membership directory
- Order RARA logo products
- Useful Internet links
- Ham Radio 101 – tons of tutorial info, plus net & repeater listings



RARA MARKETPLACE

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OFFICERS

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Awards/ Raffle Administrators	Jay Hamill, KC2TCM Sabrina Hamill, WD2STK	
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Refreshments Coordinator		
Webmaster	Frank Schramm, WB2PYD	wb2pyd@gmail.com

APRIL RAG DEADLINE

MARCH 15, 2015



**RARA meets at 7PM on the
first Friday of each month;
come join us at:**

Henrietta Fire Co. #1
3129 East Henrietta Road
Henrietta, NY 14467

[Get Directions](#)

[Rochester Area Repeater Listing](#)

ROCHESTER AREA RADIO CLUB CONTACTS

Antique Wireless Association (AWA)

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Drumlins Amateur Radio Club Ltd. (DARC)

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Fisherman's Net Amateur Radio Club

Jim Sutton, N2OPS: jim@otrym.org

Genesee Valley Amateur Radio Assn.

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Jim DiTucci, N2IXD: n2ixd@arrl.net

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Rochester Radio Repeater Association (RRRA)

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THE RARA RAG

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